

LISTING OF THE CLAIMS:

After granting the application a filing date, and before calculating the fee, please cancel Claims 1-20 and add following Claims 21-36. This listing of claims will replace all prior versions, and listings, of claims in the application.

1 - 20 (Cancelled).

21. (New) An aluminum alloy, consisting essentially of the following constituents by percentage of weight:

6.5 to 8.5	percent silicon;
0.6 to 1.0	percent iron;
up to 0.5	percent manganese;
0.35 to 0.65	percent magnesium;
up to 1.0	percent zinc;
up to 0.2	percent titanium;
2.0 to 2.5	percent copper;
up to 0.15	percent one or more other elements; and
aluminum as the remainder.	

22. (New) The aluminum alloy of claim 21, wherein the aluminum alloy comprises 7.2 to 8 percent silicon.

23. (New) The aluminum alloy of claim 21, wherein the aluminum alloy comprises 0.6 to 0.8 percent iron.

24. (New) The aluminum alloy of claim 21, wherein the aluminum alloy comprises 0.45 to 0.6 percent magnesium.

25. (New) The aluminum alloy of claim 21, wherein the one or more other elements is chromium.

26. (New) A die cast product, comprising by percentage of weight:

6.5 to 8.5 percent silicon;

0.6 to 1.0 percent iron;

up to 0.5 percent manganese;

0.35 to 0.65 percent magnesium;

up to 1.0 percent zinc;

up to 0.2 percent titanium;

2.0 to 2.5 percent copper;

up to 0.15 percent one or more other elements; and

aluminum as the remainder.

27. (New) The die cast product, of claim 26, wherein the die cast product comprises 7.2 to 8 percent silicon.

28. (New) The die cast product of claim 26, wherein the die cast product comprises 0.6 to 0.8 percent iron.

29. (New) The die cast product of claim 26, wherein the die cast product comprises 0.45 to 0.6 percent magnesium.

30. (New) The die cast product of claim 26, wherein the one or more other elements is chromium.

31. (New) A method of making a die cast product by an SSM method of casting, comprising:

forming a semi-solid aluminum alloy, wherein the semi-solid aluminum alloy comprises by percentage of weight:

6.5 to 8.5	percent silicon;
0.6 to 1.0	percent iron;
up to 0.5	percent manganese;
0.35 to 0.65	percent magnesium;
up to 1.0	percent zinc;
up to 0.2	percent titanium;
2.0 to 2.5	percent copper;
up to 0.15	percent one or more other elements;
aluminum as the remainder; and	

placing the aluminum alloy in a die cavity.

32. (New) The method of making the die cast product of claim 31, wherein the one or more other element is lead.

33. (New) The method of making the die cast product of claim 31, wherein the one or more other element is chromium.

34. (New) The method of making the die cast product of claim 33, wherein the one or more other elements are lead and chromium.

35. (New) The method of making the die cast product of claim 31, wherein the SSM method of casting is Rheocasting.

36. (New) The method of making the die cast product of claim 31, wherein the SSM method of casting is Thixocasting.